



Geovariances
Where no one has gone before

The complete geostatistics solution

The precision you need

MINING

OIL & GAS

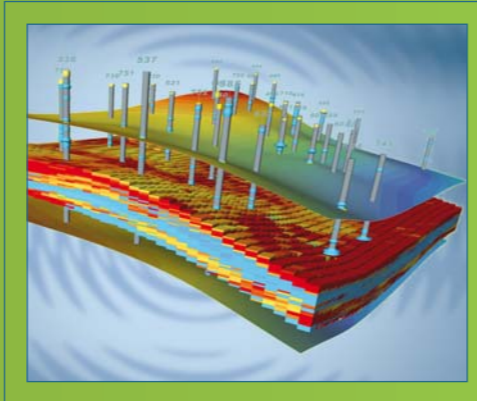
ENVIRONMENT

Geostatistics, to keep one step ahead of the curve

Geostatistics was developed in the sixties, at the "Centre de Géostatistique" of the French school "l'École des Mines de Paris".

Geostatistics is the ultimate solution when it comes to modeling spatial data in an accurate and intelligent way.

It guarantees precision and reliability in results and provides an efficient way out for: sampling network optimization, data quality control and analysis, mapping, volume estimation, resource estimation, risk assessment.



Geostatistics, your most precise tool

Geostatistics is used in many different fields of application: besides mining and petroleum geology, geostatistics is also applied in air quality monitoring, contaminated site management, nuclear decommissioning, hydrogeology, meteorology, oceanography, geochemistry, forestry, agriculture...

Three major sectors of expertise

► Mining:

Geostatistics helps you get the best out of your resource by providing the latest techniques to fully explore your deposit and improve your resource estimations:

- 3D block modeling
- Resource evaluation and classification
- Geological facies modeling
- Grade control and reconciliation



► Oil & Gas:

Geostatistics gives you greater confidence in your model by providing the state-of-the-art technology to better understand the complexity of your reservoir:

- Seismic processing
- Time-to-depth conversion
- Volumetrics
- Uncertainty quantification



► Environment:

Geostatistics helps you make the right decision by providing the most reliable thought process to fully assess sanitary risks and remediation costs:

- Sampling optimization and 2D/3D Mapping
- Air Quality Monitoring:
 - Multivariate pollutant mapping
 - Automatic day-to-day air pollution mapping
 - Evaluation of the population exposure to atmospheric pollution
- Contaminated Site Management:
 - Estimation of contaminated soil volumes
 - Risk assessment
 - Nuclear Decommissioning



We consider that sharing our know-how with you is the best way for you to make the most of geostatistics for decision-making. This is why we provide a global offer in geostatistics: research, software, training, technical assistance and consulting.

Experienced consultants on your side

Whatever your level of expertise, beginner or specialist, our consultants are devoted to assist you with geostatistics. They continuously guide you in a professional approach to help you identify the correct solution to your issues by providing:

- short-term technical expertise
- assistance in implementing geostatistical workflows
- methodology studies for addressing specific needs.

"Since we have acquired ISATIS for mapping the snow equivalent water and meteorological variables on the river basins of the hydroelectric park managed by Hydro-Québec, the ISATIS technical team has not only always provided an efficient, fast and professional answers to our issues, but it has also poured out technical and methodological advices of quality for an efficient and well thought-out processing of our data."

Hydro-Quebec

isatis SOFTWARE

► The most professional software in geostatistics

Our leading-edge geostatistics software solution ISATIS represents a one stop shop for geostatisticians. ISATIS is a powerful, user-friendly package which allows simple or complex workflows. Its compatibility with usual data file market formats and professional packages makes it simple to integrate in your day-to-day workflow. In addition, ISATIS automatic procedures enable fast and simple update of your results and make it easy to use by non geostatistics specialists.

► The most reliable technical support and maintenance

Your satisfaction is our priority. Our software solutions guarantee a top quality one-to-one support by email or phone and a professional geostatistical advice from experts.

► The most advanced development

To ensure superior quality, we have an exclusive R&D agreement with the École des Mines de Paris.

To refine our solutions, we also offer innovations through consortiums or research programs in partnership with renowned international public or private companies.

► The most tailor-made service

To enhance your performances, our skilled software developers and engineers offer you tailor-made plug-ins to be integrated in your in-house tools or in our software packages.



"ISATIS is running very nicely here. The sequential gaussian grade realizations took five full days on my brand new Linux machine, which I figure is about three times faster than it was going to be on Unix. So, a great big "Thank-you!" from me, and great appreciation for all your efforts to help me get this done on time. I knew Geovariances was the right partner for us!"

Petro-Canada

A continuous sharing



We are committed to sharing our expertise with you via training workshops and frequent mentoring sessions. Our highly experienced team provides a wide spectrum of high quality public or in-house training programs for beginners and skilled geostatisticians.

Geovariances, the world leader in geostatistics

Today's industrial challenges are to find sufficient mineral or oil volumes to supply the world's increasing demand. Resources are generally deeper and exploration is getting costlier and more complex.

Environmental risk controls are a must in a sector where health is at stake and remediation is costly.

In this context, state-of-the-art technologies are essential for efficient decision-making. For more than 15 years, Geovariances' leading-edge geostatistics software solution ISATIS has been designed to offer the sound technology you need to get the expected level of confidence in your estimates while rating the risks attached to them.

"ISATIS has been classified as the Rolls Royce of the Geostatistics package by Impala Platinum and considering the excellent relationship we have had with Geovariances during the last 20 years we worked together, it was re-affirmed that it is the best Geostatistics software solution for our business."

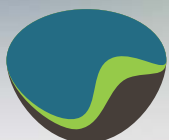
Impala Platinum Holdings Limited

From exploring the most precise tools to sharing our expertise with you, we are committed to be your number one partner in geostatistics.

For more than 20 years, our multi-disciplinary team of highly qualified geoscientists, programmers and engineers has been providing industrial people with professional answers to address their specific questions.

5 REASONS TO GO FURTHER WITH GEOVARIANCES

- 1) A comprehensive offer in geostatistics provided by highly-skilled people
- 2) More than 300 references worldwide, among which most of them are industry leaders
- 3) A large community of software users running more than 1000 licenses worldwide
- 4) A wide spectrum of public training programs or in-house mentoring sessions tuned to your specific needs
- 5) A unique team of versatile specialised consultants providing you the industrial solutions you need



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